

Substitute for form 1449A/PTO (Modified)			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/588,689	
			Filing Date	August 4, 2006	
			First Named Inventor	WESTBERRY et al.	
			Art Unit	To be assigned	
			Examiner Name	To be assigned	
Sheet	1	of	2	Attorney Docket Number	186257/US/ (469981-00115)

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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-4,458,006	7/3/1984	DONGES, et al.	
	A2	US-4,683,195	7/28/1995	MULLIS, et al	
	A3	US-4,683,202	7/28/1995	MULLIS, et al	
	A4	†US-5,536,649	7/16/1996	FRASIER, et al.	
	A5	US-5,409,818	4/25/1995	DAVEY et al.	
	A6	US-5,418,149	5/23/1995	GELFUND, et al.	
	A7	†US-5,455,166	10/3/1995	WALKER	
	A8	†US-5,830,655	11/3/1998	MONFORTE et al.	
	A9	US-6,248,533	6/19/2001	HABERHAUSEN et al.	
	A10	US-6,413,718	7/2/2002	LEUSHNER et al.	
	A11	US-6,783,940	8/31/2004	McLAUGHLIN et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† <sup>6</sup>
	B1					

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	† <sup>6</sup>
	C1	BEAUCAGE et al., "Deoxynucleoside Phosphoramidites - A New Class of Key Intermediates for Deoxyribonucleotide Synthesis"; <i>Tetrahedron Letters</i> , 22:1859-1862 (1981)	
	C2	BRAASCH and COREY, "Locked nucleic acid (LNA): fine tuning the recognition of DNA and RNA"; <i>Chem Biol</i> 2001, 8(1):1-7	
	C3	MANIATIS et al., <i>Molecular Cloning: A Laboratory Manual</i> (New York: Cold Spring Harbor Laboratory) pp280-281 (1982)	
	C4	MOK et al., "The Escherichia coli Primosome and DnaB Helicase Can Form Replication Forks that Move at the Same Rate"; <i>J. Biol. Chem.</i> 262:16558-16565 (1987)	
	C5	NIELSEN et al., "Peptide Nucleic Acid (PNA). A DNA Mimic with a Peptide Backbone"; <i>Biconjug Chem.</i> 1994, 5:3-7	
	C6	RADDING, C., "Homologous Pairing and Strand Exchange in Genetic Recombination"; <i>Ann. Review of Genetics</i> , 16:405-37 (1982)	
	C7	UPRETTI, et al., "Enzyme leakage during cryopreservation of ram spermatozoa"; <i>Animal Reproduction Science</i> 1996, Vol. 41, pages 27-36	

Examiner Signature	Young J. Kim/	Date Considered	09/27/2010
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\*EXAMINER: † These references were previously cited in a related application relied upon for an earlier filing date under 35 USC 120 and no copies are submitted in accordance with 37 CFR 1.98(d). Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	C8	VAJDA, T. Cryo-biorganic chemistry: molecular interactions at low temperatures. CMLS Cell Mol. Life Science 1999, Vol. 41, pages 27-36	
	C9	YUZHAKOU et al., "Replisome Assembly Reveals the Basis for Asymmetric Function in Leading and Lagging Strand Replication", Cell 86:877-886 (1996)	

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